

Build

run_build
source config
mrbssetenv
mrb i -j16

edit (hacer alias en bash_profile para cambiar a dune)

source config
mrbssetenv
(lar)

ifdh cp -D /pnfs/dune/tape_backed/dunepro/mcc11/protodune/mc/full-reconstructed/11/38/85/00/
prod_muplus_0.235GeV_isotropic_dune10kt_1x2x6_0_20190315T221504_0_gen_g4_detsim_reco
.root .

Coges el archivo de <https://dune-data.fnal.gov/mc/mcc11/index.html> (que sea un .root)

lar -c eventdump.fcl
prod_muplus_0.235GeV_isotropic_dune10kt_1x2x6_0_20190315T221504_0_gen_g4_detsim_reco
.root -n1

```
laurapm@dunegpm07:~$ lar -c eventdump.fcl prod_muplus_0.235GeV_isotropic_dune10kt_1x2x6_0_20190315T221504_0_gen_g4_detsim_reco.root -n1
MSG-i MF_INIT_OK: Early 22-Nov-2022 10:14:25 CST JobSetup
MessageLogger initialization complete.
MSG
22-Nov-2022 10:14:27 CST Initiating request to open input file "prod_muplus_0.235GeV_isotropic_dune10kt_1x2x6_0_20190315T221504_0_gen_g4_detsim_reco.root"
MSG-i Root_Information: FileDumperOutput:out1@Construction TClass::Init() 22-Nov-2022 10:14:27 CST ModuleConstruction
no dictionary for class sm::IDE is available
ROOT severity: 2000
MSG
22-Nov-2022 10:14:27 CST Opened input file "prod_muplus_0.235GeV_isotropic_dune10kt_1x2x6_0_20190315T221504_0_gen_g4_detsim_reco.root"
Begin processing the 1st record. run: 20000014 subRun: 0 event: 1 at 22-Nov-2022 10:14:28 CST
PRINCIPAL TYPE: Event
PROCESS NAME | MODULE LABEL... | PRODUCT INSTANCE NAME... | DATA PRODUCT TYPE... | SIZE
SinglesGen... | generator..... | ..... | std::vector<sm::MCTruth>..... | ...1
SinglesGen... | rns..... | ..... | std::vector<art::RNGsnapshot>..... | ...1
SinglesGen... | TriggerResults. | ..... | art::TriggerResults..... | ...1
SupernovaG4... | rns..... | ..... | std::vector<art::RNGsnapshot>..... | ...2
SupernovaG4... | largeant..... | Reflected..... | std::vector<sm::OpDetBacktrackerRecord>..... | .119
SupernovaG4... | largeant..... | Reflected..... | std::vector<sm::SimPhotonsLite>..... | .119
SupernovaG4... | largeant..... | ..... | std::vector<sm::MCParticle>..... | ..81
SupernovaG4... | largeant..... | ..... | std::vector<sm::AuxDetSimChannels>..... | 0
```

generator – label para los MCTruths

... mkdir en duneana/duneana/ cambiar las makefiles generales para añadir la carpeta y las particular

cd build_slf7.x86_64/duneana/duneana/TruthAnalyser/
make install -j16

desde work/HD

lar -c run_TruthAnalyser.fcl
prod_muplus_0.235GeV_isotropic_dune10kt_1x2x6_0_20190315T221504_0_gen_g4_detsim_reco
.root -n1